

TOWN OF BEDFORD
BEDFORD, MASSACHUSETTS 01730



FIRE DEPARTMENT
Chief David Grunes

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TO: Roy Sorenson
FROM: Chief David Grunes
DATE: May 21, 2015
SUBJECT: Crosby Drive Tower

This memo is to provide support for the proposed radio tower on Crosby Drive. The Town currently maintains approximately six antennas on the Crosby Drive water tower for public safety which includes primary Dpw, Police and Fire frequencies, operational frequencies and emergency mutual aid frequencies. Currently this provides the highest elevation in the community. The Pine Hill water tower has a slightly lower elevation and contains secondary antennas.

Transitioning to a radio tower provides multiple benefits for the Bedford public safety radio system including:

- Increased radio coverage area due to additional elevation of antennas addressing a system weakness near Middlesex Community College and the end of Springs Road.
- Reduced radio interference by designating specific elevations for equipment on tower as opposed to current situation of all public safety and commercial antennas being on the same plane on top of the water tower.
- Antenna cabling will be run through dedicated channels on tower as opposed to being strapped to access ladder as is the current situation.
- Dedicated equipment shed for public safety radios. Currently radios share location with AT&T equipment.